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FULFILIMENT OF 1947 PLANS BY MINISTRY OF MACHINE-TOOL BUILDING

Type of Product	1947 Plan Fulfillmer t in %			
	Dec	4th Quarter	1947	
Metal-cutting machines, all types	100.3	190.3	111.6	
including:		•		
Single purpose and combination machine tools	0			
Combination machine tools	80.c	102.4	103.5	
ACCEPTING CTON BECALING COOLS	85. 9	84.4	97.0	
Forging and pressing equipment,				
all types	76.8	110.1	113.3	
	10.0	110.1	113.3	
including:				
large hammers	70.C	100.8	111.5	
Presses	72.3	110.6	110.9	
Shears	125.9	114.1	126.8	
Other machines	19.2	100.0	103.3	
Tools, all types	102.7	110.2	109.5	
including:	•			
Cutting tools	104.3	109.9	- 104.1	
Measuring tools	104.9	111.6	112.7	
Filing tools	101.3	109.0	106.6	
Clamping tools	88.4	89.8	102.5	
Special fixtures	71.3	87.4	94,4	
Abrasive wheels	129.9	122.4	100.1	
Polishing abrasives	96.5	125.7	86.0	
Polishing powders	95.4	121.7	150.4	
Total production at nominal prices	99.2	112.0	109.2	
Total production at selling prices			114.4	

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Production Figures of Foundries and Castings Shops of Ministry of Machine-Tool Building

	1945	1946	<u> 1947</u>
Output per molder (in tens)	73.4	61.4	73. 9
Rejected material (in %)	12.1	10.8	10.1
Casting per square meter of shop workspace (in tons)	2.36	2.3	2.8
Casting output compared with 1945 (in %)	100.0	102.5	128.2
Cutput of serviceable casting material from metallic charge (in *)	60.5	59•7	61.5

Output in Monthly 10-Day Periods During 1947

Type of Product	10-Day Periods		
	I	11	III
Metal-cutting machines Presses Tools	11.9 11.2 17.4	17.7 25. 7 25.5	70.4 63.1 57.1

Fulfillment of Fledges by Ministry of Machine-Tool Building Compared With 1940

Type of Product	1946	1947
Metal-cutting machines, all types	100.0	150.0
including: Special combination machine tools	438.8	690.0
Forging and pressing machines	193.9	262.0
Tools	148.9	178.0
Abrasive wheels	159.6	193.0

These figure show that the pledges made by the plants for fulfilling the Five-Year Plan in 4 years are being kept.

Production Personnel in Plants of Ministry of Machine Tool Construction, Compared With 1940

	1946	1547
Total personnel	93.7	99.9
Workers	97.9	106.1
Engineers and technicians	103.1	109.1
Service and clerical help	73.0	70.9

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Average Output per Worker, Compared With 1940

Year			Persent
1 40 1946 1 947		er agen	100.0 108.4 131.0

Plan fulfillment during 1947 for utilizing new machines and industrial products in plants of the Ministry of Machine-Tool Building was as follows:

			Percent
40	E.		105.0 106.25 210.0 163.0 94.0
	, at ·	er er	

1947 Plan Fulfillment by "Kraenyy Proletariy" Plant

Type of Activity	Percent
Production goods	105.4
Total production	106.8
Labor productivity	110.2
Number of machines	117.0

In this plant 93 percent of all machine tools produced were manufactured by assembly-line methods. Compared with 1946, the output of special machine tools increased 127 percent, of general machine tools 132 percent.

During 1947, 576 suggestions were made, 400 of which were utilized in production activities; 1,331,509 rubles were saved; bonuses totaling 60,000 rubles were awarded. The factory put out six new sizes of machine tools.

The plant's internal grinding department produced the following new machines in 1947:

An automatic machine, designed by A. Ye. Nemchenok, for centerless grinding of the two journals of an automobile crosspiece.

A machine, designed by M. Z. Lur'ye, for conterless grinding of heavy-duty bearings.

A machine, designed by M. P. Merpert, for centerless grinding of coiled stock.

An automatic machine for centerless grinding of radiator sleeves.

A double abrasive wheel machine, designed by N. A. Kiselev, for centerless grinding of automobile steering-apparatus cams.

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